

PRODUCTION OF NAPHTHALENE DERIVATIVE AND SYNTHETIC INTERMEDIATE THEREOF

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Abstract

PURPOSE: To advantageously obtain a naphthalene derivative useful as an antilipemic agent by oxidizing a new dihydronaphthalene compound prepared from a benzaldehyde compound or a di-lower alkylacetal thereof and an ethylenedicarboxylic acid ester.

CONSTITUTION: A new dihydronaphthalene compound shown by formula I [R] and R₂ are lower alkyl; one of R₃ and R₄ is H or lower alkoxy, the other is lower alkoxy and the ring A is (substituted) benzene ring] or a salt thereof is oxidized and optionally made into a salt to give a naphthalene derivative shown by formula II. The new dihydronaphthalene compound shown by formula I is prepared by reacting a benzaldehyde compound shown by formula III, a di-lower alkylacetal or a salt thereof with an ethylenedicarboxylic acid ester shown by formula IV. This method newly uses the ethylenedicarboxylic acid ester. The compound shown by formula II has excellent antilipemic action and is useful as a drug.

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